

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A process for the production of polyurethane di(meth)acrylates in which 1,6-hexane diisocyanate is reacted, without solvent and without subsequent purification operations, with a diol component and hydroxy-C2-C4-alkyl (meth)acrylate in the molar ratio $x : (x-1) : 2$, wherein x means any desired value from 2 to 5 and

wherein the diol component is selected from the group consisting of combination of 20 to 80 mol% hydrogenated bisphenol A with 80 to 20 mol% 1,10-decanediol,

20 to 80 mol% hydrogenated bisphenol A with 80 to 20 mol% 1,6-hexanediol, 60 to 90 mol% neopentyl glycol with 40 to 10 mol% 1,6-hexanediol,

~~10 to 90 mol% cyclohexanedimethanol with 90 to 10 mol% 1,5-pentanediol~~ and

~~three component combinations comprising in each case 10 to 50 mol% 1,3-propanediol, 10 to 50 mol% 1,5-pentanediol and 10 to 50 mol% 1,6-hexanediol and in each case 10 to 50 mol% 1,3-propanediol, 1,5-pentanediol and cyclohexanedimethanol~~, wherein the mol percentages add up to 100 mol% in each of the combinations; and

further wherein the hydroxy-C2-C4-alkyl (meth)acrylate is selected from the group consisting of hydroxyethylacrylate and hydroxypropylacrylate.

Claims 2-3 (canceled)

Claim 4 (original): Polyurethane di(meth)acrylates produced using the process of claim 1.

Claims 5-6 (canceled)

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Claim 7 (original): Powder coating compositions containing the polyurethane di(meth)acrylates produced according to the process of claim 1 as binder.

Claims 8-9 (canceled)

Claim 10 (original): A substrate coated with a layer of the powder coating composition according to claim 7.